

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/587,606
Source: IFWP
Date Processed by STIC: 8/8/06

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/587,606

DATE: 08/08/2006

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
 Output Set: N:\CRF4\08082006\J587606.raw

3 <110> APPLICANT: Fine, Robert L
 4 Brandt-Rauf, Paul
 5 Mao, Yueha
 7 <120> TITLE OF INVENTION: C-Terminal p53 Palindromic Peptide That Induces Apoptosis of
 8 Cells with Aberrant p53 and Uses Thereof
 10 <130> FILE REFERENCE: 68074-A-PCT-US/JPW/JW
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/587,606
 C--> 12 <141> CURRENT FILING DATE: 2006-07-27
 12 <150> PRIOR APPLICATION NUMBER: PCT/US2005/002543
 13 <151> PRIOR FILING DATE: 2005-01-27
 15 <150> PRIOR APPLICATION NUMBER: US 60/540,864
 16 <151> PRIOR FILING DATE: 2004-01-30
 18 <160> NUMBER OF SEQ ID NOS: 9
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 41
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Polypeptide based on human p53
 30 <400> SEQUENCE: 1
 32 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
 33 1 5 10 15
 36 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
 37 20 25 30
 40 Phe Lys Thr Glu Gly Pro Asp Ser Asp
 41 35 40
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 41
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Polypeptide based on human p53
 52 <400> SEQUENCE: 2
 54 Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser
 55 1 5 10 15
 58 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
 59 20 25 30
 62 Gly Gly Pro Glu Lys Gly Ala Gln Ala
 63 35 40
 66 <210> SEQ ID NO: 3
 67 <211> LENGTH: 83
 68 <212> TYPE: PRT

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Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
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69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
 75 <220> FEATURE:
 76 <221> NAME/KEY: MISC_FEATURE
 77 <222> LOCATION: (42)..(42) /
 78 <223> OTHER INFORMATION: Xaa = Gly or absent
 80 <400> SEQUENCE: 3
 82 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
 83 1 5 10 15
 86 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
 87 20 25 30
 W--> 90 Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu
 91 35 40 45
 94 Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys
 95 50 55 60
 98 Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly
 99 65 70 75 80
 102 Ala Gln Ala
 106 <210> SEQ ID NO: 4
 107 <211> LENGTH: 83
 108 <212> TYPE: PRT
 109 <213> ORGANISM: Artificial Sequence
 111 <220> FEATURE:
 112 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
 115 <220> FEATURE:
 116 <221> NAME/KEY: MISC_FEATURE
 117 <222> LOCATION: (42)..(42)
 118 <223> OTHER INFORMATION: Xaa = Gly or absent
 120 <400> SEQUENCE: 4
 122 Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser
 123 1 5 10 15
 126 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
 127 20 25 30
 W--> 130 Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu
 131 35 40 45
 134 Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly
 135 50 55 60
 138 Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Gly Pro
 139 65 70 75 80
 142 Asp Ser Asp
 146 <210> SEQ ID NO: 5
 147 <211> LENGTH: 167
 148 <212> TYPE: PRT
 149 <213> ORGANISM: Artificial Sequence
 151 <220> FEATURE:
 152 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
 155 <220> FEATURE:
 156 <221> NAME/KEY: MISC_FEATURE

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Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
 Output Set: N:\CRF4\08082006\J587606.raw

157 <222> LOCATION: (42)..(42)
 158 <223> OTHER INFORMATION: Xaa = Gly or absent
 160 <220> FEATURE:
 161 <221> NAME/KEY: MISC_FEATURE
 162 <222> LOCATION: (84)..(84)
 163 <223> OTHER INFORMATION: Xaa = Gly or absent
 165 <220> FEATURE:
 166 <221> NAME/KEY: MISC_FEATURE
 167 <222> LOCATION: (126)..(126)
 168 <223> OTHER INFORMATION: Xaa = Gly or absent
 170 <400> SEQUENCE: 5
 172 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
 173 1 5 10 15
 176 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
 177 20 25 30
 W--> 180 Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu
 181 35 40 45
 184 Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys
 185 50 55 60
 188 Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly
 189 65 70 75 80
 192 Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala
 193 85 90 95
 196 His Ser Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His
 197 100 105 110
 200 Lys Lys Leu Met Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser
 201 115 120 125
 204 Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser
 205 130 135 140
 208 Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly
 209 145 150 155 160
 212 Pro Glu Lys Gly Ala Gln Ala
 213 165
 216 <210> SEQ ID NO: 6
 217 <211> LENGTH: 167
 218 <212> TYPE: PRT
 219 <213> ORGANISM: Artificial Sequence
 221 <220> FEATURE:
 222 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
 225 <220> FEATURE:
 226 <221> NAME/KEY: MISC_FEATURE
 227 <222> LOCATION: (42)..(42)
 228 <223> OTHER INFORMATION: Xaa = Gly or absent
 230 <220> FEATURE:
 231 <221> NAME/KEY: MISC_FEATURE
 232 <222> LOCATION: (84)..(84)
 233 <223> OTHER INFORMATION: Xaa = Gly or absent
 235 <220> FEATURE:
 236 <221> NAME/KEY: MISC_FEATURE

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Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

237 <222> LOCATION: (126)..(126)
 238 <223> OTHER INFORMATION: Xaa = Gly or absent
 240 <400> SEQUENCE: 6

242 Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser
 243 1 5 10 15
 246 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
 247 20 25 30
 W--> 250 Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu
 251 35 40 45
 254 Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly
 255 50 55 60
 258 Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Gly Pro
 259 65 70 75 80
 262 Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys
 263 85 90 95
 266 Lys His Arg Ser Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser
 267 100 105 110
 270 His Ala Arg Ser Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln
 271 115 120 125
 274 Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys
 275 130 135 140
 278 Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys
 279 145 150 155 160
 282 Thr Glu Gly Pro Asp Ser Asp
 283 165
 286 <210> SEQ ID NO: 7
 287 <211> LENGTH: 164
 288 <212> TYPE: PRT
 289 <213> ORGANISM: Artificial Sequence
 291 <220> FEATURE:
 292 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
 294 <400> SEQUENCE: 7

296 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
 297 1 5 10 15
 300 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
 301 20 25 30
 304 Phe Lys Thr Glu Gly Pro Asp Ser Asp Asp Ser Asp Pro Gly Glu Thr
 305 35 40 45
 308 Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys Ser
 309 50 55 60
 312 Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly Ala
 313 65 70 75 80
 316 Gln Ala Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser
 317 85 90 95
 320 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
 321 100 105 110
 324 Leu Met Phe Lys Thr Glu Gly Pro Asp Ser Asp Asp Ser Asp Pro Gly
 325 115 120 125
 328 Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys

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Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
Output Set: N:\CRF4\08082006\J587606.raw

329 130 135 140
332 Lys Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys
333 145 150 155 160
336 Gly Ala Gln Ala
340 <210> SEQ ID NO: 8
341 <211> LENGTH: 17
342 <212> TYPE: PRT
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Membrane carrier peptide derived from Antennaeapedia
348 <400> SEQUENCE: 8
350 Lys Lys Trp Lys Met Arg Arg Asn Gln Phe Trp Val Lys Val Gln Arg
351 1 5 10 15
354 Gly
358 <210> SEQ ID NO: 9
359 <211> LENGTH: 6
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Restriction enzyme site derived from human p53
366 <400> SEQUENCE: 9
367 ggccgg 6

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/08/2006
PATENT APPLICATION: US/10/587,606 TIME: 09:00:00

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
Output Set: N:\CRF4\08082006\J587606.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 42
Seq#:4; Xaa Pos. 42
Seq#:5; Xaa Pos. 42,84,126
Seq#:6; Xaa Pos. 42,84,126

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/587,606

DATE: 08/08/2006

TIME: 09:00:00

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:32
M:341 Repeated in SeqNo=5
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
M:341 Repeated in SeqNo=6